

Practice A

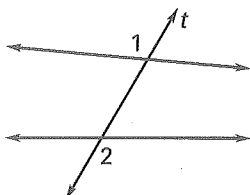
For use with pages 121–125

Match the key word with its definition.

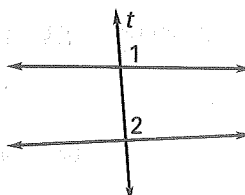
- | | |
|------------------------------|---|
| 1. transversal | A. two angles that lie between the two lines on the same side of the transversal |
| 2. corresponding angles | B. two angles that occupy corresponding positions |
| 3. same-side interior angles | C. two angles that lie between the two lines on the opposite sides of the transversal |
| 4. alternate exterior angles | D. a line that intersects two or more coplanar lines at different points |
| 5. alternate interior angles | E. two angles that lie outside the two lines on the opposite sides of the transversal |

Describe the relationship between $\angle 1$ and $\angle 2$.

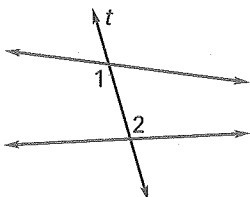
6.



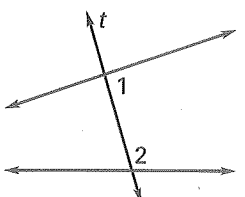
7.



8.

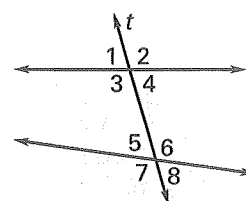


9.



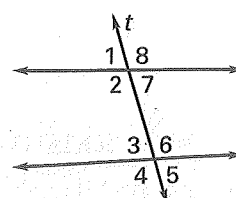
Use the diagram shown at the right to name a pair of angles that fits the description. There is more than one correct answer.

- | | |
|------------------------|------------------------|
| 10. corresponding | 11. alternate interior |
| 12. alternate exterior | 13. same-side interior |



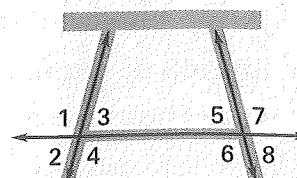
Use the diagram at the right to complete the statement using *corresponding*, *alternate interior*, *alternate exterior*, or *same-side interior*.

- | | |
|--|--|
| 14. $\angle 6$ and $\angle 8$ are <u> ? </u> angles. | 15. $\angle 1$ and $\angle 5$ are <u> ? </u> angles. |
| 16. $\angle 2$ and $\angle 6$ are <u> ? </u> angles. | 17. $\angle 4$ and $\angle 8$ are <u> ? </u> angles. |
| 18. $\angle 6$ and $\angle 7$ are <u> ? </u> angles. | 19. $\angle 1$ and $\angle 3$ are <u> ? </u> angles. |



A picnic table is shown in the sketch at the right. Describe the relationship between the angles.

- | | |
|-------------------------------|-------------------------------|
| 20. $\angle 3$ and $\angle 7$ | 21. $\angle 2$ and $\angle 7$ |
| 22. $\angle 4$ and $\angle 6$ | 23. $\angle 3$ and $\angle 6$ |

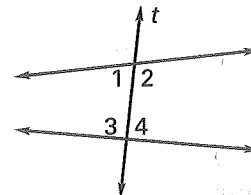
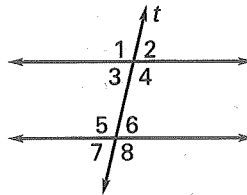
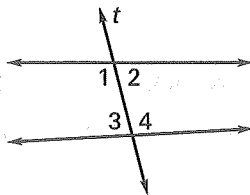


Practice B

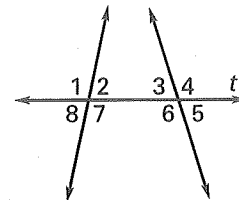
For use with pages 121–125

Complete the statement.

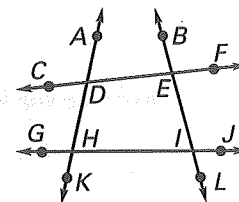
1. A ? is a line that intersects two or more coplanar lines at different points.
2. Two angles are ? if they occupy corresponding positions.
3. Two angles are ? if they lie between the two lines on the opposite sides of the transversal.
4. Two angles are ? if they lie outside the two lines on the opposite sides of the transversal.
5. Two angles are ? if they lie between the two lines on the same side of the transversal.

Describe the relationship between the angles.6. $\angle 1$ and $\angle 4$ 7. $\angle 2$ and $\angle 7$ 8. $\angle 1$ and $\angle 3$ **Use the diagram shown at the right to list all pairs of angles that fit the description.**

9. corresponding
10. alternate interior
11. alternate exterior
12. same-side interior

**Use the diagram at the right to describe the relationship between the pairs of angles.**

13. $\angle CDH$ and $\angle DEI$
14. $\angle KHI$ and $\angle HIE$
15. $\angle ADC$ and $\angle FEI$
16. $\angle EDH$ and $\angle DHI$
17. $\angle KHI$ and $\angle LIJ$
18. $\angle HDE$ and $\angle BED$

**A utility pole is shown in the sketch at the right. List all pairs of numbered angles that fit the description.**

19. corresponding
20. alternate exterior
21. alternate interior
22. same-side interior

